

The claims defining the invention are as follows:-

1. A water purifying unit including a head having a first and a second chamber, an inlet port, an outlet port and a transfer port between the first and second chambers, each of the first and second chambers being arranged so that a sump can be removably secured thereto, a diverter mounted within each of the first and second chambers, the diverter dividing its respective chamber into an inlet zone and an outlet zone, each diverter further being arranged so that a purifying cartridge can be attached thereto and located within the associated sump, and wherein the head is arranged so that water can enter the head, pass into the inlet zone of the first chamber, through the associated cartridge and into the outlet zone of the first chamber, through the transfer port located in the head, into the inlet zone of the second chamber, through the associated purifying cartridge into the outlet zone of the second chamber and out through the outlet port of the head.
2. A water purifying unit according to claim 1 wherein the head is molded as a single unit from a plastics material.
- 20 3. A water purifying unit according to claim 2 wherein the plastics material is an ABS plastics.
4. A water purifying unit according to claim 2 wherein the transfer port and outlet port are formed in the head by a single post molding drilling operation.
- 25 5. A water purifying unit according to claim 2 wherein each diverter is molded from a plastics material.
6. A water purifying unit according to claim 5 wherein the plastics material is an ABS plastics.

7. A water purifying unit according to claim 1 wherein the diverter is shaped so that it can be pressed into its respective chamber and adhered thereto using an appropriate adhesive.
- 5 8. A water purifying unit according to claim 1 wherein the inner wall of each chamber and the associated diverter include means for the proper positioning of the diverter in the associated chamber during assembly of the unit.
9. A water purifying unit according to claim 8 wherein the positioning
10 means includes a complimentary indentation and protrusion.
10. A water purifying unit according to claim 1 wherein the inner wall of each chamber and its associated diverter are configured so that when they are assembled together they define there between the inlet zone and the outlet
15 zone.
11. A water purifying unit according to claim 1 wherein the diverter and cartridge have complimentary bayonet type fitting means to enable the cartridge to be secured to the diverter.
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12. A water purifying unit according to claim 11 wherein the diverter includes a centrally located bayonet aperture and the cartridge includes a bayonet fitting at an upper end thereof.
- 25 13. A water purifying unit according to claim 12 wherein the bayonet fitting of the cartridge is arranged to pass through the bayonet aperture whereafter the cartridge can be rotated to positively locate the bayonet fitting within the diverter.
- 30 14. A water purifying unit according to claim 1 wherein a seal is provided between the diverter and the upper end of the cartridge to prevent water leakage there between.

15. A water purifying unit according to claim 1 wherein each sump is molded from a plastics material.

5 16. A water purifying unit according to claim 15 wherein the plastics material is an ABS plastics.

17. A water purifying unit according to claim 1 wherein each sump is arranged to be attached to the head by a threaded connection.

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18. A water purifying unit according to claim 17 wherein the upper inner wall of the sump includes a screw thread arranged to threadedly engage with a complimentary screw thread on a lower end portion of the chamber to which it is to be secured.

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19. A water purifying unit according to claim 18 wherein a seal is provided between the lower end of each chamber and the associated sump to prevent water leakage.

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20. A water purifying unit according to claim 1 wherein the sump is configured so that a cartridge can be secured to the respective diverter and then the sump connected to the head about the cartridge.

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21. A water purifying unit according to claim 1 wherein sufficient clearance is provided between the inner wall of the sump and the outer surface of the cartridge to enable water to flow into the sump and through the cartridge.

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22. A water purifying unit according to claim 1 wherein the cartridge includes an upper end cap, a lower end cap, a fluid pathway and a filter member and wherein the fluid pathway of the cartridge enables water that has passed through the filter member of the cartridge to pass into the outlet zone of the chamber.

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23. A water purifying unit according to claim 22 wherein spaced peripherally about the lower end cap of the cartridge are at least a pair of protrusions which are arranged to restrict or prevent side to side movement of a lower end of the
5 cartridge when high water pressure loads are applied to the cartridge.
24. A water purifying unit according to claim 23 wherein the protrusions take the form of triangular shaped wings which extend outwardly of the cartridge.
- 10 25. A water purifying unit according to claim 1 further including means for enabling the unit to be attached to a surface such as a sidewall of a cupboard.
- 15 26. A water purifying unit according to claim 1 further including a decorative cover arranged to fit on the head to provide an improved aesthetic appearance to the unit.